

NOV 25 2002



Department of Energy

Brookhaven Area Office
P. O. Box 5000
Upton, New York 11973

NOV 22 2002

Ms. Lori Cunniff
Brookhaven Science Associates, LLC
Brookhaven National Laboratory
Upton, New York 11973

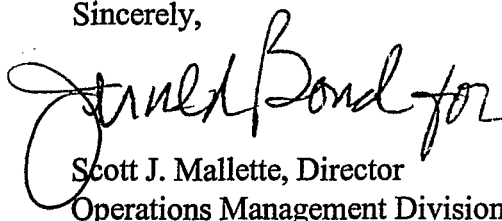
Dear Ms. Cunniff:

SUBJECT: MODIFIED TITLE V AIR PERMIT #1-4722-00032/00115

Enclosed is the modified New York State Department of Environmental Conservation Title V Air Permit. Please carefully review all the conditions of the permit and notify us as soon as possible if you are unable to comply with any condition.

If you should have any questions regarding this matter, please contact Caroline Polanish of my staff at extension 5224.

Sincerely,


Scott J. Mallette, Director
Operations Management Division

Enclosure:
As stated

cc: C. Polanish, BAO, w/encl.
R. Lee, BNL, w/o encl.
J. Williams, BNL, w/encl.

New York State Department of Environmental Conservation
Division of Environmental Permits, Region One

Building 40 - SUNY, Stony Brook, New York 11790-2356
Phone: (631) 444-0365 FAX: (631) 444-0360



November 19, 2002

Frank Crescenzo, Acting Area Manager
Department of Energy, Brookhaven Group
PO Box 5000
Upton, NY 11973

Re: Permit #1-4722-00032/00115

Dear Permittee:

In conformance with the requirements of the State Uniform Procedures Act (Article 70, ECL) and its implementing regulations (6NYCRR, Part 621) we are enclosing your **modified** permit. Please carefully read all permit conditions and special permit conditions contained in the permit to insure compliance during the term of the permit. If you are unable to comply with any conditions contact us at the above address.

This permit must be kept available at the facility during periods when permitted activities are being conducted.

Sincerely,

Mark C Carrara
Permit Administrator

cc: Jerry Granzen, BNL
P. George, DAR Region 1
File

New York State Department of Environmental Conservation
Facility DEC ID: 1472200032



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 1-4722-00032/00115
Mod 0 Effective Date: 01/07/2002 Expiration Date: 01/06/2007
Mod 1 Effective Date: 11/19/2002 Expiration Date: 01/06/2007

Permit Issued To: U S DEPT OF ENERGY
1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Contact: GERALD GRANZEN
53 BELL AVENUE
UPTON, NY 11973
(631) 344-4089

Facility: BROOKHAVEN NATIONAL LABORATORY
53 BELL AVE
UPTON, NY 11973

Description:
BROOKHAVEN NATIONAL LABORATORY IS SUBMITTING THIS MINOR PERMIT MODIFICATION IN ACCORDANCE WITH REQUIREMENTS OF 6 NYCRR 201-6.7(c). MINOR MODIFICATIONS REQUESTED INCLUDE MOVING EMISSION UNIT U-19708 FROM BLDG 197 TO BLDG 902 AND RENAMED AS U-COILS, REMOVAL OF EMISSION UNITS U-49001 & U-LEADM, MINOR MONITORING CONDITION CHANGES ON U-61005 & U-61006 AND MINOR CHANGES TO U-METAL.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: MARK CARRARA
DIVISION OF ENVIRONMENTAL PERMITS
SUNY CAMPUS, LOOP ROAD, BUILDING 40
STONY BROOK, NY 11790-2356

Authorized Signature:

A handwritten signature in dark ink, appearing to be 'M/C', written over a horizontal line.

Date: 11 / 19 / 2002



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



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- 3 Permit Modifications, Suspensions and Revocations by the Department
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Facility Level

- 4 Submission of Applications for Permit Modification or Renewal-REGION 1
HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305.

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 1-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 1-1.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 1-1.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 1-1.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute.

New York State Department of Environmental Conservation
Facility DEC ID: 1472200032



regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

Expired by Mod No: 1

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Condition 1-2: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 1-2.1:

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

Condition 4: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Expired by Mod No: 1

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.



**** Facility Level ****

Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 1 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 1 Headquarters
Division of Environmental Permits
SUNY Campus, Loop Road, Building 40
Stony Brook, NY 11790-2356
(631) 444-0365

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: U S DEPT OF ENERGY
1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Contact: GERALD GRANZEN
53 BELL AVENUE
UPTON, NY 11973
(631) 344-4089

Facility: BROOKHAVEN NATIONAL LABORATORY
53 BELL AVE
UPTON, NY 11973

Authorized Activity By Standard Industrial Classification Code:
8922 - NONCOMMERCIAL RESEARCH ORGANIZATIONS(1977)

Mod 0 Permit Effective Date: 01/07/2002

Permit Expiration Date: 01/06/2007

Mod 1 Permit Effective Date: 11/19/2002

Permit Expiration Date: 01/06/2007



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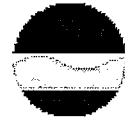


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NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Sealing - 6NYCRR Part 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.



Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6NYCRR Part 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

- (a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
 - (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
 - (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
 - (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- (b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.
- (c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.



Item F: Recycling and Salvage - 6NYCRR Part 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Item H: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item I: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.



Item K: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item L: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item M: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Item P: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR



Part 201-6.5(a)(5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item Q: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item R: Fees - 6 NYCRR Part 201-6.5(a)(7)

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Item T: Severability - 6 NYCRR Part 201-6.5(a)(9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or



at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the Administrator and the Department with written notification in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

Item W: Permit Shield - 6 NYCRR Part 201-6.5(g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of



the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item X: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall

New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032



affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item Y: Required Emission Tests - 6 NYCRR Part 202-1.1

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3

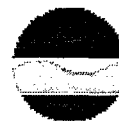
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Item AA: Open Fires - 6 NYCRR Part 215

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

Item BB: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.



Item CC: Federally Enforceable Requirements - 40 CFR 70.6(b)
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 23: Emission Unit Definition
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 201-6.

Item 23.1(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-45801

Emission Unit Description:

THIS EMISSION UNIT IS LOCATED IN BUILDING 458 AND CONSISTS OF A SPRAY BOOTH (EMISSION POINT 45801) AND TWO PAINT STORAGE CABINETS (458AA) BOTH INTERNALLY VENTED. COMPLIANCE WITH 6 NYCRR PART 228 PROVISIONS IS MAINTAINED THROUGH THE USE OF VOC COMPLIANT COATINGS. RECORDS OF ALL COATING AND THINNER USAGE AND THE SUBSTRATES TO WHICH THEY ARE APPLIED ARE MAINTAINED BY PLANT ENGINEERING'S PAINT SHOP SUPERVISOR.

Building(s): 458

Item 23.2(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-49003

Emission Unit Description:

BLOCK SHIELDING IS FABRICATED ON SITE FOR PATIENTS WHO RECEIVE TREATMENT AT THE RADIATION THERAPY FACILITY IN BUILDING 490. THE SHIELDING IS USED TO SHADOW AREAS OF THE BODY AGAINST UNDESIRABLE RADIATION FROM THE TREATMENT (RTF). THE SHIELDING IS A CERROBEND/OSTALLOY ALLOY TYPICALLY CONSISTING OF BISMUTH, LEAD, CADMIUM,AND TIN. THE SHIELDING FABRICATION PROCESS



INVOLVES A FEW DIFFERENT STEPS. AFTER TRACING A RADIOGRAPH OF THE PATIENT'S PLANNED IRRADIATION AREA, AN AUTOMATED HOT WIRE TOOL CUTS A POLYSTYRENE BLOCK TO FORM A PRE-SHAPED MOLD. THE CERROBEND OSTALLOY LEAD ALLOY IS MELTED IN THE MELTING POT AND POURED DIRECTLY INTO THE PRE-SHAPED POLYSTYRENE MOLD. SCREWS AND A PLASTIC CASSETTE ARE TYPICALLY USED TO SECURE THE ALLOY TO THE MOLD BEFORE THE CERROBEND ALLOY HARDENS. AFTER THE ALLOY HAS HARDENED, THE POLYSTYRENE MOLD IS DETACHED FROM THE ALLOY MOLD LEAVING THE ALLOY SECURED TO THE CASSETTE. EMISSIONS FROM THE MELTING POT ARE EXHAUSTED THROUGH EMISSION POINT 49004. BLOCK CUTTER EMISSIONS ARE EXHAUSTED THROUGH EMISSION POINT 49003.

Building(s): 490

Item 23.3(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-61005

Emission Unit Description:

THIS EMISSION UNIT LOCATED IN BUILDING 610 CONSISTS OF TWO COMMERCIAL-INSTITUTIONAL SIZED BOILERS (BOILERS 1A AND 5) EACH WITH ITS OWN SEPARATE STACK (EMISSION POINTS 6101A AND 61005). BOILER 1A HAS A NOMINAL HEAT CAPACITY OF 56.7 MMBTU/HR AND IS USED FOR PEAKING AND INTERMITTENT LOADS. BOILER 5 HAS A NOMINAL HEAT CAPACITY OF 225 MMBTU/HR AND IS USED PRIMARILY TO MEET WINTER BASE LOADS. SINCE IT WAS CONSTRUCTED BEFORE 1986, BOILER 5 IS NOT SUBJECT TO NSPS SUBPART Db. BOILER 5 HAS DUAL FUEL FIRING CAPABILITIES ENABLING IT TO BURN OIL OR NATURAL GAS. COMPLIANCE WITH THE NOX RACT EMISSION STANDARD OF 6 NYCRR PART 227-2 IS ACHIEVED BY BURNING RESIDUAL FUEL WITH A LOW FUEL-BOUND NITROGEN CONTENT. THE NOX RACT EMISSION LIMIT FOR LARGE AND MID SIZE BOILERS PRIMARILY BURNING RESIDUAL FUEL IS 0.30 LBS/MMBTU. COMPLIANCE WITH THIS EMISSIONS LIMIT WAS DEMONSTRATED DURING STACK TESTING CONDUCTED IN January 1995 WHILE EACH BOILER BURNED NO. 6 OIL WITH A FUEL NITROGEN CONTENT OF LESS THAN 0.3% AND A FUEL SULFUR CONTENT OF LESS THAN 0.3%. CONTINUED COMPLIANCE WITH THE EMISSION STANDARD IS PRESUMED SO LONG AS LABORATORY ANALYSIS OF COMPOSITE RESIDUAL FUEL SAMPLES CONFIRMS THE FUEL NITROGEN CONTENT DOES NOT EXCEED 0.3% BY WEIGHT. BASED ON THE AP42 EMISSION FACTOR FOR UNCONTROLLED (PRE-NSPS) LARGE WALL FIRED BOILERS, NOX EMISSIONS FROM BOILER 5 WHILE BURNING NATURAL GAS ARE PRESUMED TO BE 0.28 LBS/MMBTU. BOILER NO. 5 PRIMARILY BURNS RESIDUAL FUEL AND NATURAL GAS. HOWEVER,



OCCASIONALLY SMALL VOLUMES OF DISTILLATE FUEL ARE COMBUSTED. SMALL QUANTITIES OF WASTE OIL GENERATED ON SITE ARE SOMETIMES ACCEPTED FOR BURNING IN BOILER 5 PROVIDED SAMPLE ANALYSIS CONFIRMS THAT THE OIL MEETS ACCEPTANCE CRITERIA FOR WASTE FUELS ESTABLISHED BY 6 NYCRR 225-2.4 AND 6 NYCRR 374-2.2. ACCEPTED WASTE OIL IS BLENDED WITH RESIDUAL FUEL IN THE CSF FUEL STORAGE TANKS. BOILER 1A BURNS STRICTLY RESIDUAL FUEL AND RESIDUAL FUEL BLENDED WITH SMALL QUANTITIES OF WASTE OIL AT THIS TIME. BNL RESERVES THE RIGHT TO BURN DISTILLATE FUEL IN BOTH BOILERS. BASED ON THE AP-42 NOX EMISSION FACTOR FOR UNCONTROLLED OIL FIRED BOILERS (24 LBS/1000 GALS), NOX EMISSIONS FROM BOILER 5 WOULD BE APPROXIMATELY 0.163 LBS/MMBTU. EMISSION TESTING OF BOILER 1A USING EPA REFERENCE METHODS WOULD BE NECESSARY TO ENSURE COMPLIANCE WITH THE NOX RACT STANDARD OF 0.12 LBS/MMBTU, IF THE DECISION WERE MADE TO BURN DISTILLATE OIL.

Building(s): 610

Item 23.4(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-61006

Emission Unit Description:

THIS EMISSION UNIT LOCATED IN BUILDING 610 CONSISTS OF ONE COMMERCIAL-INSTITUTIONAL SIZED BOILER (BOILER 6) WITH ITS OWN SEPARATE STACK (EMISSION POINT 61006). THIS BOILER HAS A NOMINAL HEAT CAPACITY OF 147 MMBTU/HR. THIS BOILER IS SUBJECT TO NSPS SUBPART Db REQUIREMENTS. BOILER 6 HAS A HEAT RELEASE RATE OF 70,402 BTU/HR CUBIC FOOT. THIS BOILER IS EQUIPPED WITH DUAL FUEL BURNERS WHICH ENABLE IT TO BURN OIL OR NATURAL GAS. BECAUSE CONSTRUCTION OF BOILER 6 COMMENCED PRIOR TO JUNE 19, 1986, THIS BOILER IS ONLY SUBJECT TO THE NITROGEN OXIDE STANDARDS OF SUBPART Db. WITH BOILER 6, COMPLIANCE WITH THE EMISSION STANDARDS IS ACHIEVED THROUGH THE USE OF LOW NOX BURNERS. THE BOILER IS ALSO SUBJECT TO THE NOX RACT PROVISIONS OF 6 NYCRR PART 227-2. THE PART 227 -2 EMISSION LIMIT FOR NOX FOR LARGE BOILERS IS 0.30 LBS/MMBTU WHILE BURNING OIL OR NATURAL GAS. AS COMPARED TO THE NSPS LIMITS OF 0.40 LB/MMBTU WHILE BURNING RESIDUAL FUEL, AND 0.20 LBS/MMBTU WHEN BURNING NATURAL GAS OR DISTILLATE OIL. COMPLIANCE WITH THE LOWER EMISSIONS LIMIT OF PART 227-2 IS ACHIEVED THROUGH THE COMBUSTION OF NO. 6 OIL WITH A FUEL NITROGEN CONTENT OF LESS THAN 0.3% AND A FUEL SULFUR CONTENT OF LESS THAN 0.3%. THE MANUFACTURER OF BOILER 6



HAS GUARANTEED THAT NITROGEN OXIDE (NOX) EMISSIONS WILL BE LESS THAN THE 0.20 LB/MMBTU EMISSIONS STANDARD, WHEN THE BOILER IS FIRING NATURAL GAS. BOILER NO. 6 PRIMARILY BURNS RESIDUAL FUEL AND NATURAL GAS, HOWEVER, OCCASIONALLY SMALL VOLUMES OF DISTILLATE FUEL ARE COMBUSTED. SMALL QUANTITIES OF WASTE OIL GENERATED ON SITE ARE ALSO ACCEPTED FOR BURNING PROVIDED SAMPLE ANALYSIS CONFIRMS THAT THE OIL MEETS ACCEPTANCE CRITERIA FOR WASTE FUEL ESTABLISHED BY 6 NYCRR 225-2 AND 6 NYCRR 374-2.2. ACCEPTED WASTE OIL IS BLENDED WITH RESIDUAL FUEL IN THE CSF FUEL STORAGE TANKS.

Building(s): 610

Item 23.5(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-61007

Emission Unit Description:

THIS EMISSION UNIT LOCATED IN BUILDING 610 CONSISTS OF ONE COMMERCIAL-INSTITUTIONAL SIZED BOILER (BOILER 7) WITH ITS OWN SEPARATE STACK (EMISSION POINT 61007). THIS BOILER HAS A NOMINAL HEAT CAPACITY OF 147 MMBTU/HR. THIS BOILER IS SUBJECT TO NSPS SUBPART D_b REQUIREMENTS. BOILER 7 HAS A HEAT RELEASE RATE OF 87,814 BTU/HR CUBIC FOOT. THE BOILER IS EQUIPPED WITH A DUAL FUEL BURNER WHICH ENABLE IT TO BURN OIL OR NATURAL GAS. BECAUSE CONSTRUCTION OF BOILER 7 COMMENCED AFTER JUNE 19, 1986, THIS BOILER IS SUBJECT TO THE NITROGEN OXIDE STANDARDS AND PARTICULATE STANDARDS OF SUBPART D_b. COMPLIANCE WITH THE EMISSION STANDARDS IS ACHIEVED THROUGH THE USE OF LOW NOX BURNERS AND AN OVER FIRE AIR NOX REDUCTION SYSTEM. THE BOILER IS ALSO SUBJECT TO THE NOX RACT PROVISIONS OF 6 NYCRR PART 227-2. THE PART 227-2 EMISSION LIMIT FOR NOX FOR LARGE BOILERS IS 0.30 LBS/MMBTU WHILE BURNING OIL OR NATURAL GAS AS COMPARED TO THE NSPS LIMITS OF 0.40 LBS/MMBTU WHILE BURNING RESIDUAL OIL AND 0.20 LBS/MMBTU WHILE BURNING NATURAL GAS OR DISTILLATE OIL. THE SUBPART D_b PARTICULATE EMISSION STANDARD IS 0.10 LBS/MMBTU. COMPLIANCE WITH THE LOWER EMISSIONS LIMIT OF PART 227-2 IS ACHIEVED THROUGH THE COMBUSTION OF NO. 6 OIL WITH A FUEL NITROGEN CONTENT OF LESS THAN 0.3% AND A FUEL SULFUR CONTENT OF LESS THAN 0.3%. THE MANUFACTURER OF BOILER 7 HAS GUARANTEED THAT NITROGEN OXIDE (NOX) EMISSIONS WILL BE LESS THAN THE 0.20 LBS/MMBTU EMISSION STANDARD, WHEN THE BOILER IS FIRING NATURAL GAS. BOILER NO. 7 PRIMARILY BURNS RESIDUAL FUEL OIL AND NATURAL GAS, HOWEVER, OCCASIONALLY SMALL VOLUMES OF DISTILLATE FUEL

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ARE COMBUSTED. SMALL QUANTITIES OF WASTE OIL GENERATED ON-SITE ARE ALSO ACCEPTED FOR BURNING PROVIDED SAMPLE ANALYSIS CONFIRMS THAT THE OIL MEETS ACCEPTANCE CRITERIA FOR WASTE FUEL ESTABLISHED BY 6 NYCRR 225-2.4 AND 6 NYCRR 374-2.2. ACCEPTED WASTE OIL IS BLENDED WITH RESIDUAL FUEL IN THE CSF FUEL STORAGE TANKS.

Building(s): 610

Item 23.6(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-COILS

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF A MAGNET COIL COATING OPERATION IN BUILDING 902 WHERE MULTIPLE FIBERGLASS AND KEVLAR YARN SUBSTRATES ARE APPLIED TO MAGNET COILS USING TWO-PART EPOXY ADHESIVES. THE ADHESIVES AND SUBSTRATES ARE APPLIED IN SUCCESSIVE STEPS AND FINAL CURING IS CONDUCTED IN A BAKING OVEN. THE THREE HOODS WHICH CAPTURE EMISSIONS DURING ADHESIVE APPLICATION AND THE OVEN EXHAUST ARE CONNECTED TO A COMMON STACK (EMISSION POINT 90206). COMPLIANCE WITH 40 CFR 60 SUBPART TT IS MAINTAINED THROUGH THE USE OF VOC COMPLIANT ADHESIVES.

Item 23.7(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-FUELS

Emission Unit Description:

THIS EMISSION UNIT INCLUDES TWO ON-SITE GASOLINE REFUELING FACILITIES. THE FIRST FACILITY LOCATED AT BUILDING 630 IS A CONTRACTOR OPERATED FACILITY THAT SERVICES PRIVATE VEHICLES. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND REPLACING PUMP NOZZLES AND HOSES AND FOR COMPLYING WITH THE OPERATIONAL REQUIREMENTS OF 6 NYCRR PART 230. AS THE OWNER OF THE FACILITY, DOE/BNL ASSUMES RESPONSIBILITY FOR OVERALL COMPLIANCE WITH PART 230 REQUIREMENTS AND OTHER APPLICABLE REGULATORY REQUIREMENTS AT THIS FACILITY. THE FACILITY HAS THREE PUMPS (TWO PUMP HOSES EACH) THAT DISPENSE LOW, MEDIUM AND HIGH OCTANE GRADES OF GASOLINE. THE PUMPS ARE CONNECTED TO THREE 8000 GALLON DOUBLE WALLED UNDERGROUND STORAGE TANKS. ALL TANKS ARE EQUIPPED WITH STAGE I AND STAGE II ENGINEERING CONTROLS. UNCAPPED VAPORS GENERATED DURING TANK LOADING AND TANK BREATHING VAPORS ARE PASSIVELY VENTED TO SEPARATE STACKS (EMISSION POINTS 63001, 63002 AND 63003). THE SECOND FACILITY LOCATED AT BUILDING 423 IS

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A REFUELING FACILITY FOR BNL FLEET GASOLINE POWERED VEHICLES. THE FACILITY HAS TWO PUMPS (TWO PUMP HOSES EACH) THAT DISPENSE LOW OCTANE GRADES OF GASOLINE. THE PUMPS ARE CONNECTED TO TWO 8000 GALLON DOUBLE WALLED UNDERGROUND STORAGE TANKS. BOTH TANKS ARE EQUIPPED WITH STAGE I AND STAGE II ENGINEERING CONTROLS. UNCAPTURED VAPORS GENERATED DURING TANK LOADING AND TANK BREATHING VAPORS ARE PASSIVELY VENTED TO SEPARATE STACKS (EMISSION POINTS 42309 AND 42310). BNL IS LOCATED IN SUFFOLK COUNTY, A SEVERE OZONE NON-ATTAINMENT AREA, AND A COUNTY INCLUDED IN THE NEW YORK CITY CONSOLIDATED METROPOLITAN STATISTICAL AREA. DUE TO THE LABORATORY'S LOCATION, CERTAIN FEDERALLY ENFORCEABLE RESTRICTIONS APPLY TO THE GASOLINE THAT CAN BE RECEIVED AND DISPENSED FROM GASOLINE REFUELING FACILITIES AT THE SITE. IN PARTICULAR, BECAUSE BNL IS IN A SEVERE OZONE NON-ATTAINMENT AREA, THE REID VAPOR PRESSURE OF THE GASOLINE DELIVERED AND DISPENSED AT BNL'S TWO REFUELING FACILITIES CANNOT EXCEED 9.0 POUNDS PER SQUARE INCH (PSI) DURING THE PEAK OZONE SEASON (MAY 1 - SEPTEMBER 15). IN ADDITION, TO MEET FEDERALLY ENFORCEABLE REQUIREMENTS INTENDED TO REDUCE AUTOMOBILE EMISSIONS OF VOLATILE ORGANIC COMPOUNDS AND HAZARDOUS AIR POLLUTANTS, REFORMULATED GASOLINE MUST BE SUPPLIED AND DISPENSED YEAR ROUND. REFORMULATED GASOLINE AND REID VAPOR PRESSURE REQUIREMENTS ARE FOUND IN 6 NYCRR 225-3.

Building(s): 423
630

Item 23.8(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-HALON

Emission Unit Description:

THIS UNIT CONSISTS OF NUMEROUS PORTABLE HALON 1211 FIRE EXTINGUISHERS. SEVERAL HALON 1301 CYLINDERS ASSOCIATED WITH VARIOUS FIXED TOTAL FLOODING FIRE SUPPRESSION SYSTEMS AND HALON 1301 RESERVE TANKS. THE UNIT ALSO INCLUDES A PORTABLE HALON 1211 RECOVERY/RECHARGE SYSTEM, AND PIECES OF EQUIPMENT THAT ARE USED TOGETHER TO RECOVER AND RECYCLE HALON 1301 DURING REGULAR SERVICING OF FIXED HALON 1301 FIRE SUPPRESSION SYSTEMS. THIS UNIT IS SUBJECT TO PROVISIONS OF 40 CFR PART 82 SUBPART H ENTITLED HALON EMISSIONS REDUCTION. ATTACHMENTS 3 AND 4 INCLUDED WITH THE PERMIT APPLICATION PROVIDE ADDITIONAL INFORMATION RESPECTIVELY ABOUT THE PORTABLE FIRE EXTINGUISHERS AND THE FIRE



SUPPRESSION SYSTEMS COVERED BY THIS EMISSION UNIT.
EMISSIONS ARE RESTRICTED TO DE MINIMAS RELEASES FROM
THE HALON RECOVERY DEVICES DURING PERIODIC SERVICING OF
EXTINGUISHERS AND FIRE SUPPRESSION SYSTEMS.

Item 23.9(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-INSIG

Emission Unit Description:

THIS UNIT INCLUDES ONE SMALL SCALE SILVER ELECTROPLATING OPERATIONS LOCATED IN BLDG 922, WHICH IS USED TO ELECTROPLATE COPPER MAGNET BUS BARS AND OTHER METAL PARTS. FUMES FROM THE OPERATION IN BLDG. 922 ARE RELEASED TO A STACK (EMISSION POINT 92204). THE UNIT INCLUDES A SMALL SCALE OPERATION IN BLDG902 WHERE MAGNET END BLOCKS ARE ETCHED WITH A DILUTE NITRIC ACID AND SMALL QUANTITIES OF A THERMOSETTING INSULATING VARNISH ARE SPRAY APPLIED TO THE BLOCK ENDS. EVAPORATIVE EMISSIONS FROM THIS OPERATION ARE RELEASED TO A STACK (EMISSION POINT 90206). THE UNIT INCLUDES A MAGNET COIL PRODUCTION PRESS. EMISSIONS OF TRACE QUANTITIES OF CARBON MONOXIDE, HYDROCARBONS, AND PARTICULATES ARE RELEASED WHEN MINOR EQUIPMENT LEAKS CAUSE THE HEAT TRANSFER FLUID TO CONTACT THE HEATED EXTERIOR OF THE EQUIPMENT. THE HEAT TRANSFER FLUID IS PUMPED THROUGH SEGREGATED CIRCUITS AND IS USED TO CURE AN INSULATING EPOXY OUTER COATING ON SUPERCONDUCTING MAGNETS. EMISSIONS FROM THIS OPERATION ARE VENTED TO A STACK (EMISSION POINT 92402). ALSO INCLUDED IN THIS UNIT IS THE PRINTED CIRCUIT BOARD LABORATORY IN BLDG 535B WHERE PROTOTYPE CIRCUIT BOARDS ARE MADE FOR BNL EXPERIMENTS. PREPARATION OF THE BOARDS IS A RATHER COMPLEX PROCESS WHICH INVOLVES SEVERAL STEPS. THE FOLLOWING IS A BRIEF SUMMARY OF THE PRINTED CIRCUIT BOARD LABORATORY EMISSION SOURCES. CIRCUIT BOARD COMPONENT HOLES ARE DRILLED USING A MANUALLY ADJUSTED COMPUTER CONTROLLED DRILLING MACHINE (TRIVIAL SOURCE ID 535AT). WITHIN THE PRINTED CIRCUIT BOARD PROCESS ROOM, SEVERAL PROCESS TANKS ARE USED IN A SERIES OF STEPS TO PRE CLEAN THE BOARDS. VOLATILE ORGANIC COMPOUNDS ARE RELEASED FROM THE CLEANER CONDITIONER USED IN ONE OF THE PRE-CLEANING TANKS. ACID ETCHING ALSO TAKES PLACE WITHIN THE ROOM WHEN THE BOARDS ARE IMMERSSED IN DILUTE BATHS OF HYDROCHLORIC ACID AND SULFURIC ACID. THE BOARDS ARE ALSO ELECTROPLATED WITH TIN AS THEY ARE IMMERSSED IN A TIN PLATING BATH. FINALLY THE BOARDS ARE IMMERSSED IN AN ACID COPPER PLATING BATH WHICH CONTAINS SULFURIC ACID AND HYDROCHLORIC ACID. TO HELP REDUCE

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EVAPORATIVE EMISSIONS FROM THIS TANK, SMALL PLASTIC BALLS FLOAT ATOP THE SOLUTION EFFECTIVELY REDUCING THE SOLUTION SURFACE AREA. ALL OF THE TANKS WITHIN THIS ROOM ARE EXHAUSTED TO A COMMON STACK (EMISSION POINT 53503). RESIDUAL WATER ON THE BOARDS IS THEN BAKED OFF IN AN ELECTRIC OVEN (TRIVIAL SOURCE ID 535AW). AFTER A CIRCUIT PATTERN IS CREATED ON THE SURFACE OF THE BOARD THROUGH AN IMAGING PROCESS, THE BOARDS ARE IMMERSSED IN A TANK CONTAINING AN AQUEOUS DEVELOPER. THIS AQUEOUS FORMULA, IN USE SINCE OCTOBER 1997, IS 99% VOLUME WATER, 0.999% VOLUME POTASSIUM CARBONATE AND 0.001% VOLUME ANTI FOAMING AGENT. SINCE THE AQUEOUS FORMULA HAS BEEN USED, NO EMISSIONS ARE RELEASED THROUGH THE STACK (EMISSION POINT 53501). AN ETCHING MACHINE FILLED WITH AN ALKALINE SOLUTION IS USED TO REMOVE BACKGROUND COPPER AFTER BOARDS ARE REMOVED FROM THE COPPER PLATING BATH. EMISSIONS FROM THIS SOURCE ARE LIMITED TO AMMONIUM HYDROXIDE AND TRACE EMISSIONS OF AMMONIUM CHLORIDE AND COPPER CHLORIDE WHICH ARE RELEASED THROUGH EMISSION POINT 53502. THE AGGREGATE ANNUAL EMISSIONS FROM THE SOURCES AND OPERATIONS COVERED UNDER THIS EMISSION UNIT ARE LESS THAN THE THRESHOLDS ESTABLISHED IN 6 NYCRR 201-6.3(d) FOR INSIGNIFICANT EMISSION UNITS.

Building(s): 535B
922
924

Item 23.10(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-LITHO

Emission Unit Description:

THIS UNIT LOCATED IN BUILDING 197 INCLUDES TWO LITHOGRAPHIC OFFSET PRINTING MACHINES WHICH ARE VENTED INTERNALLY. THE OLDER MACHINE A SPRINT 26 MODEL (EQ 19709) WAS INSTALLED IN 1993 WITH A WALL EXHAUST, AND IS USED TO CAPTURE AND REMOVE NUISANCE ODORS FROM THE OFFSET PRINTERS AND FROM OTHER PHOTOGRAPHIC EQUIPMENT LOCATED IN THE ROOM (EMISSION POINT 19709). THE SECOND SMALLER A.B. DICK OFFSET PRINTER (EQ 19710) WAS INSTALLED IN 1995. THE FOUNTAIN SOLUTION USED IN THE TWO OFFSET PRINTERS ARE SUBJECT TO 6 NY CRR PART 234 VOC LIMITS. THE VOC CONTENTS OF THE FOUNTAIN SOLUTIONS USED IN BOTH PRESSES, CONTAIN LESS THAN 10 % BY WEIGHT VOLATILE ORGANIC COMPOUNDS.

Building(s): 902



Item 23.11(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-METAL

Emission Unit Description:

COLD CLEANING OF METAL PARTS AT VARIOUS SITE LOCATIONS. UNIT CONSISTS OF 3 IMMERSION CLEANING TANKS IN BLDG. 423 (ALL INTERNALLY VENTED), 1 IMMERSION CLEANING TANK IN BLDG 473 (INTERNALLY VENTED), 1 SPRAY CLEANING TANK IN BLDG. 479 (VENTED INTERNALLY), 1 IMMERSION CLEANING TRAY IN BLDG. 610 (INTERNALLY VENTED), 1 IMMERSION CLEANING TANK IN BLDG 820 (INTERNALLY VENTED), 1 HOSE APPLIED PARTS CLEANING TANK IN BLDG 903 (INTERNALLY VENTED), 1 IMMERSION CLEANING AND 1 SMALL HAND WIPE CLEANING TANK INN BLDG 922 (BOTH INTERNALLY VENTED), 1 SPRAY CLEANING PROCESS IN BLDG 923 WHICH CONSISTS OF AN ELECTRONIC PARTS CLEANING BOOTH AND TWO DRYING OVENS MANIFOLDED TO EMISSION POINT 92301, AND THE BNL CENTRAL DEGREASING FACILITY IN BLDG 498 WHICH CONSISTS OF THREE IMMERSION WASH TANKS AND THREE RINSE TANKS (EXHAUSTED TO STACK 49801) AND A DRYING OVEN WITH ITS OWN STACK. THIS UNIT ALSO HAS TWO INACTIVE PARTS CLEANING OPERATIONS: A LARGE DETREX VAPOR DEGREASER LOCATED IN BLDG 479 (EMISSION POINT 47907) AND AN INTERNALLY VENTED VAPOR/ULTRASONIC DEGREASING UNIT IN BLDG 207 THAT CAN BE USED TO CLEAN COILED CABLES. IF THE DETREX VAPOR DEGREASER IS RETURNED TO SERVICE, PLANS ARE TO USE IT FOR IMMERSION CLEANING OF LARGE METAL PARTS USING AN AQUEOUS CLEANER.

Building(s): 423
473
479
498
535C
610
725
820
903
922
923
924

Item 23.12(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-MVACS

Emission Unit Description: .

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BNL OPERATES A FLEET OF APPROXIMATELY 336 VEHICLES. THESE VEHICLES ARE SERVICED AT THE AUTOMOTIVE SERVICE SHOP IN BLDG 423. THIS EMISSION UNIT COVERS FLEET VEHICLES EQUIPPED WITH AIR CONDITIONERS CHARGED WITH R-12 OR WITH R-134A. THIS EMISSION UNIT COVERS AUTOMOTIVE SERVICE SHOP ACTIVITIES ASSOCIATED WITH THE SERVICE AND REPAIR TO FLEET AIR CONDITIONING EQUIPMENT. THIS UNIT INCLUDES REFRIGERANT RECOVERY/RECYCLING DEVICES THAT CAN BE USED WITH R-12 AND R-134A MOTOR VEHICLE AIR CONDITIONERS. THIS EMISSION UNIT IS SUBJECT TO PROVISIONS OF 40 CFR 82 SUBPART B ENTITLED SERVICING OF MOTOR VEHICLE AIR CONDITIONERS (MVACS) AND TO PROVISIONS OF 40 CFR 82 SUBPART F THAT ARE APPLICABLE TO THE SERVICING OF MVACS.

Building(s): 423

Item 23.13(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-RFRIG

Emission Unit Description:

THIS UNIT COVERS ALL REFRIGERANT RECOVERY, RE CYCLING AND RECLAMATION ACTIVITIES THAT TAKE PLACE DURING THE REPAIR, MAINTENANCE AND SERVICING OF REFRIGERATION AND AIR CONDITIONING EQUIPMENT LOCATED ACROSS THE SITE. THIS UNIT INCLUDES CENTRIFUGAL CHILLERS, RECIPROCATING CHILLERS, ROTARY SCREW CHILLERS, SPLIT AIR CONDITIONING UNITS, PACKAGE AIR CONDITIONING UNITS AND REFRIGERANT RECOVERY DEVICES UTILIZED BY PLANT ENGINEERING TO RECOVER ANY REFRIGERANTS THAT MIGHT BE RELEASED DURING SERVICING AND REPAIR OF REFRIGERATION AND AIR CONDITIONING EQUIPMENT. THIS UNIT IS SUBJECT TO PROVISIONS OF 40 CFR PART 82 SUBPART F ENTITLED REFRIGERANT RECOVERY AND RE CYCLING REQUIREMENTS FOR REFRIGERATION AND AIR CONDITIONING EQUIPMENT AND APPLIANCES. THIS UNIT ALSO COVERS VARIOUS PIECES OF COMMERCIAL REFRIGERANT EQUIPMENT UTILIZED IN BUILDING 30 AND 488 THAT ARE SERVICED BY AN OUTSIDE CONTRACTOR.

Condition 1-1: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 11/19/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(c)

Item 1-1.1:

The following information must be included in any required compliance monitoring records and reports:



- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 1-2: Monitoring, Related Recordkeeping, and Reporting Requirements.
Effective between the dates of 11/19/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)

Item 1-2.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 1-3: Compliance Certification
Effective between the dates of 11/19/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)

Replaces Condition(s) 24

Item 1-3.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These



reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

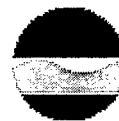
(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the



6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 1-4: Compliance Certification
Effective between the dates of 11/19/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(e)

Item 1-4.1:

The Compliance Certification activity will be performed for the Facility.



Item 1-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

i. Compliance certifications shall contain:

- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually.

Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

NYSDEC
SUNY Campus
Building 40
Stony Brook, NY 11790-2356

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2003.
Subsequent reports are due on the same day each year

Condition 28: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 28.1:
The Compliance Certification activity will be performed for the Facility.

Item 28.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April 15th each
year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 29: Recordkeeping requirements
Effective between the dates of 01/07/2002 and 01/06/2007



Applicable Federal Requirement: 6NYCRR 202-2.5

Item 29.1:

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
 - (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.
- (b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 32: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 225-1.2

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE SULFUR CONTENT OF FUEL OIL BURNED IN THE
BOILERS SHALL NOT EXCEED 0.50 PERCENT BY WEIGHT,
SAMPLES OF FUEL OIL DELIVERIES ARE COLLECTED AND
ANALYZED AND REPORTED QUARTERLY.

Reference Test Method: D-4294

Monitoring Frequency: PER DELIVERY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 225-3.6(a)

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Item 33.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of any refinery, terminal, or bulk plant from which gasoline, subject to 6 NYCRR Part 225-3, is distributed must maintain records on the gasoline that is delivered to or distributed from such facilities. These records shall include:

1. The RVP of the gasoline if subject to section 225-3.3 of 6 NYCRR Part 225-3.
2. A designation of the appropriate time period(s) in which the gasoline is intended to be dispensed to motor vehicles.
3. Written certification that the gasoline:
 - i. conforms with all RVP requirements of 6 NYCRR Part 225-3; and
 - ii. is in compliance with all applicable State and Federal regulations which apply during the time period(s) in which the gasoline is intended to be dispensed to motor vehicles.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-5: Compliance Certification

Effective between the dates of 11/19/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 1-5.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity (on a six minute block period) except for one six minute block period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.



Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - weather condition
 - was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then the Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY
Upper Permit Limit: 27 percent
Reference Test Method: METHOD 9
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2003.



Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT
ON-SITE AT THE FACILITY FOR THE FIVE MOST RECENT
YEARS, AND UPON REQUEST, MUST BE MADE AVAILABLE FOR
REVIEW BY A NYSDEC REPRESENTATIVE.

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 35: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Facility wide emissions of Nitrogen Oxide is limited to 159.0 tons
per year.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL

Upper Permit Limit: 159.0 tons per year

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 90-DAY AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
VOC emissions from the facility is limited to 39.7 tpy.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: FUEL
Upper Permit Limit: 39.7 tons per year
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 90-DAY AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Total Suspended Particulate TSP emissions from the facility is



limited to 49.2 tpy.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: FUEL
Upper Permit Limit: 49.2 tons per year
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 90-DAY AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

Facility wide emissions of SO₂ is limited to 445.0 tons per year.
Annual emissions based on mass balance of fuel burned and sulfur
content by weight compiled on a quarterly basis.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: FUEL
Upper Permit Limit: 445.0 tons per year
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 90-DAY AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 39: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 39.1:

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The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Facility wide Carbon Monoxide emissions is limited to 113.3 tons per year.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: FUEL
Upper Permit Limit: 113.3 tons per year
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 90-DAY AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 40: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Particulates PM 10 emissions from the facility is limited to 35.7 tons per year.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: FUEL
Upper Permit Limit: 35.7 tons per year
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 90-DAY AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

Subsequent reports are due every 12 calendar month(s).

Condition 1-6: Accidental release provisions.

Effective between the dates of 11/19/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 68.

Item 1-6.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit (if not previously submitted) one of the following if such quantities are present at the time of permit issuance:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866
ATTN: Accidental Release Program contact

****** Emission Unit Level ******

Condition 42: Emission Point Definition By Emission Unit

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 201-6.

Item 42.1(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-45801

Emission Point: 00AMB

Height (ft.): 5

Length (in.): 24

Width (in.): 6

Emission Point: 45801



New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032

Height (ft.): 25 Diameter (in.): 36
NYTMN (km.): 4525.1 NYTME (km.): 679. Building: 458

Item 42.2(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-49003

Emission Point: 49003

Height (ft.): 20 Diameter (in.): 3
NYTMN (km.): 4525.3 NYTME (km.): 678.2 Building: 490

Emission Point: 49004

Height (ft.): 20 Diameter (in.): 7
NYTMN (km.): 4525.3 NYTME (km.): 678.2 Building: 490

Item 42.3(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-61005

Emission Point: 61005

Height (ft.): 62 Diameter (in.): 72
NYTMN (km.): 4525.9 NYTME (km.): 679.3 Building: 610

Emission Point: 6101A

Height (ft.): 62 Diameter (in.): 44
NYTMN (km.): 4525.9 NYTME (km.): 679.3 Building: 610

Item 42.4(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-61006

Emission Point: 61006

Height (ft.): 62 Diameter (in.): 60
NYTMN (km.): 4525.9 NYTME (km.): 679.3 Building: 610

Item 42.5(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-61007

Emission Point: 61007

Height (ft.): 110 Diameter (in.): 48
NYTMN (km.): 4525.9 NYTME (km.): 679.3 Building: 610

Item 42.6(From Mod 1):

New York State Department of Environmental Conservation
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The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-COILS

Emission Point: 90206

Height (ft.): 33

Diameter (in.): 12

NYTMN (km.): 4526.2

NYTME (km.): 678.5

Building: 902

Item 42.7(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-FUELS

Emission Point: 42309

Height (ft.): 25

Diameter (in.): 2

NYTMN (km.): 4524.9

NYTME (km.): 677.7

Building: 423

Emission Point: 42310

Height (ft.): 25

Diameter (in.): 2

NYTMN (km.): 4524.9

NYTME (km.): 677.7

Building: 423

Emission Point: 63001

Height (ft.): 26

Diameter (in.): 2

NYTMN (km.): 4525.3

NYTME (km.): 678.5

Building: 630

Emission Point: 63002

Height (ft.): 26

Diameter (in.): 2

NYTMN (km.): 4525.3

NYTME (km.): 678.5

Building: 630

Emission Point: 63003

Height (ft.): 26

Diameter (in.): 2

NYTMN (km.): 4525.3

NYTME (km.): 678.5

Building: 630

Item 42.8(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-INSIG

Emission Point: 01AMB

Height (ft.): 14

Diameter (in.): 12

Emission Point: 53501

Height (ft.): 24

Diameter (in.): 4

NYTMN (km.): 4525.8

NYTME (km.): 678.8

Building: 535B

Emission Point: 53502

Height (ft.): 24

Diameter (in.): 6

NYTMN (km.): 4525.8

NYTME (km.): 678.8

Building: 535B

New York State Department of Environmental Conservation
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Emission Point: 53503
Height (ft.): 27 Diameter (in.): 10
NYTMN (km.): 4525.8 NYTME (km.): 678.8 Building: 535B

Emission Point: 92204
Height (ft.): 9 Diameter (in.): 6
NYTMN (km.): 4526.5 NYTME (km.): 679.2 Building: 922

Emission Point: 92401
Height (ft.): 87 Diameter (in.): 8
NYTMN (km.): 4525.7 NYTME (km.): 679.5 Building: 924

Emission Point: 92402
Height (ft.): 45 Diameter (in.): 6
NYTMN (km.): 4525.7 NYTME (km.): 679.5 Building: 924

Item 42.9(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-LITHO

Emission Point: 19709
Height (ft.): 12 Diameter (in.): 12
NYTMN (km.): 4526.2 NYTME (km.): 678.5 Building: 197

Item 42.10(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-METAL

Emission Point: 02AMB
Height (ft.): 13 Length (in.): 1920 Width (in.): 360

Emission Point: 47907
Height (ft.): 95 Diameter (in.): 20
NYTMN (km.): 4525.2 NYTME (km.): 678.5 Building: 479

Emission Point: 49801
Height (ft.): 27 Diameter (in.): 16
NYTMN (km.): 4525.3 NYTME (km.): 678.4 Building: 498

Emission Point: 92301
Height (ft.): 8 Diameter (in.): 20
NYTMN (km.): 4525.6 NYTME (km.): 678.8 Building: 923

Item 42.11(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

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Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



Emission Unit: U-MVACS

Emission Point: 03AMB

Height (ft.): 4

Length (in.): 1920

Width (in.): 360

Condition 43: Process Definition By Emission Unit
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 201-6.

Item 43.1(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-45801

Process: PT1

Source Classification Code: 4-02-043-30

Process Description:

SPRAY PAINTING OF WOOD FURNITURE AND MISCELLANEOUS METAL PARTS W/VOC COMPLYING COATINGS. COMPLYING COATINGS INCLUDE MLC POLYSTAR SATIN LACQUER, MLC POLYSTAR PRIMER/SURFACER, MLC ULTRASTAR CLEAR LACQUER, MLC ULTRASTAR SEALER, CON-LUX RUST BARRIER RED PRIMER, CON-LUX STEEL GUARD AND PITTSBURGH PAINT TOPCOAT & PRIMER.

Emission Source/Control: 45801 - Process

Emission Source/Control: 458AA - Process

Item 43.2(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-49003

Process: BS1

Source Classification Code: 3-12-999-99

Process Description:

FABRICATION OF BLOCK SHIELDING WHICH INCLUDES ALLOY MELTING & POLYSTYRENE BLOCK FORMING.

Emission Source/Control: 490D1 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 49003 - Process

Emission Source/Control: 49004 - Process

Item 43.3(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



Emission Unit: U-61005

Process: SF1

Source Classification Code: 1-03-004-01

Process Description:

BURNING MOSTLY #6 OIL WITH LOW VOLUMES OF WASTE OIL IN BOILER 1A AND BOILER 5. BOILERS 1A AND 5 BURN MOSTLY NO. 6 OIL. LOW VOLUMES OF WASTE OIL ARE SOMETIMES MIXED IN. BOTH BOILERS ARE SUBJECT TO PART 227-2 NOX LIMITS. NO. 6 OIL IS GUARANTEED AT OR BELOW 0.3% WT. SULFUR & 0.3% WT. NITROGEN BY THE SUPPLIER.

Emission Source/Control: 61005 - Combustion

Design Capacity: 225 million Btu per hour

Emission Source/Control: 6101A - Combustion

Design Capacity: 56.7 million Btu per hour

Item 43.4(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-61005

Process: SF2

Source Classification Code: 1-03-006-01

Process Description:

BURNING OF NATURAL GAS IN BOILER 5. PART 227-2 NOX LIMIT OF 0.3 LBS/MMBTU APPLIES WHEN NATURAL GAS IS BURNED.

Emission Source/Control: 61005 - Combustion

Design Capacity: 225 million Btu per hour

Emission Source/Control: 6101A - Combustion

Design Capacity: 56.7 million Btu per hour

Item 43.5(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-61005

Process: SF3

Source Classification Code: 1-03-005-01

Process Description:

BURNING OF DISTILLATE OIL IN BOILERS 1A AND 5. AT PRESENT ONLY BOILER 5 BURNS DISTILLATE OIL. IF BNL SHOULD DECIDE TO BURN DISTILLATE OIL IN BOILER 1A, STACK TESTING WILL BE NEEDED TO ENSURE COMPLIANCE W/PART 227-3 NOX LIMIT OF 0.12 LBS/MMBTU.

Emission Source/Control: 61005 - Combustion

Design Capacity: 225 million Btu per hour

Emission Source/Control: 6101A - Combustion

New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032



Design Capacity: 56.7 million Btu per hour

Item 43.6(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-61006

Process: SF4

Source Classification Code: 1-03-004-01

Process Description:

BURNING MOSTLY #6 OIL WITH LOW VOLUMES OF WASTE OIL IN BOILER 6. THE FUEL BURNED HAS FUEL BOUND SULFUR AND NITROGEN CONTENTS BELOW 0.3% SULFUR & 0.3% NITROGEN GUARANTEED BY SUPPLIER. THIS 147 MMBTU/HR PACKAGE BOILER IS SUBJECT TO NSPS SUBPART DB AND PART 227-2 NOX LIMITS.

Emission Source/Control: 61006 - Combustion

Design Capacity: 147 million Btu per hour

Item 43.7(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-61006

Process: SF5

Source Classification Code: 1-03-006-01

Process Description:

BURNING NATURAL GAS IN BOILER 6. THE MORE STRINGENT NSPS SUBPART DB NOX LIMIT OF 0.20 LBS/MMBTU APPLIES WHEN NATURAL GAS IS COMBUSTED.

Emission Source/Control: 61006 - Combustion

Design Capacity: 147 million Btu per hour

Item 43.8(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-61006

Process: SF6

Source Classification Code: 1-03-005-01

Process Description:

BURNING OF DISTILLATE OIL IN BOILER 6. THE MORE STRINGENT NSPS SUBPART DB NOX LIMIT OF 0.20 LBS/MMBTU APPLIES WHEN DISTILLATE OIL IS COMBUSTED.

Emission Source/Control: 61006 - Combustion

Design Capacity: 147 million Btu per hour

Item 43.9(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-61007

New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032



Process: SF7

Source Classification Code: 1-03-004-01

Process Description:

BURNING MOSTLY #6 OIL WITH LOW VOLUMES OF WASTE OIL IN BOILER 7. NO. 6 OIL WITH LOW VOLUMES OF WASTE OIL BURNED IN 147 MMBTU/HR PACKAGE BOILER, SUBJECT TO NSPS SUBPART DB NOX & OPACITY LIMITS AND PART 227-2 NOX LIMIT. NO. 6 OIL GUARANTEED AT OR BELOW 0.3% SULFUR & 0.3% NITROGEN BY SUPPLIER.

Emission Source/Control: 61007 - Combustion

Design Capacity: 147 million Btu per hour

Item 43.10(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-61007

Process: SF8

Source Classification Code: 1-03-006-01

Process Description:

BURNING OF NATURAL GAS IN BOILER 7. THE MORE STRINGENT NSPS SUBPART DB NOX LIMIT OF 0.20 LBS/MMBTU APPLIES WHEN NATURAL GAS IS COMBUSTED.

Emission Source/Control: 61007 - Combustion

Design Capacity: 147 million Btu per hour

Item 43.11(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-61007

Process: SF9

Source Classification Code: 1-03-005-01

Process Description:

BURNING OF DISTILLATE OIL IN BOILER 7. THE MORE STRINGENT NSPS SUBPART DB NOX LIMIT OF 0.20 LBS/MMBTU APPLIES WHEN DISTILLATE OIL IS COMBINED.

Emission Source/Control: 61007 - Combustion

Design Capacity: 147 million Btu per hour

Item 43.12(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-COILS

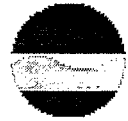
Process: AD1

Source Classification Code: 4-02-007-12

Process Description:

MULTIPLE LAYER APPLICATION OF FIBERGLASS & KEVLAR YARNS TO MAGNET COILS WITH TWO-PART EPOXY ADHESIVES.

Emission Source/Control: 90206 - Process



Item 43.13(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-FUELS

Process: RVP

Source Classification Code: 4-06-006-03

Process Description:

IF NYSDEC INVOKES CARBON MONOXIDE CONTINGENCY
MEASURES, THE MAXIMUM REID VAPOR PRESSURE OF GASOLINE
DISPENSED FROM 10/1 TO 3/31 SHALL NOT EXCEED 13.5 PSI
AND FROM 5/1 TO 9/15 REID VAPOR PRESSURE SHALL NOT
EXCEED 9.0 PSI.

Emission Source/Control: 423A1 - Control
Control Type: PROCESS GAS RECOVERY

Emission Source/Control: 423A2 - Control
Control Type: PROCESS GAS RECOVERY

Emission Source/Control: 423A3 - Control
Control Type: VAPOR LOCK BALANCE RECOVERY SYSTEM

Emission Source/Control: 423A4 - Control
Control Type: VAPOR LOCK BALANCE RECOVERY SYSTEM

Emission Source/Control: 630A1 - Control
Control Type: PROCESS GAS RECOVERY

Emission Source/Control: 630A2 - Control
Control Type: PROCESS GAS RECOVERY

Emission Source/Control: 630A3 - Control
Control Type: PROCESS GAS RECOVERY

Emission Source/Control: 630A4 - Control
Control Type: VAPOR LOCK BALANCE RECOVERY SYSTEM

Emission Source/Control: 630A5 - Control
Control Type: VAPOR LOCK BALANCE RECOVERY SYSTEM

Emission Source/Control: 630A6 - Control
Control Type: VAPOR LOCK BALANCE RECOVERY SYSTEM

Emission Source/Control: 42310 - Process

Emission Source/Control: 63001 - Process

Emission Source/Control: 63002 - Process

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



Emission Source/Control: 63003 - Process

Item 43.14(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-HALON

Process: HR1

Source Classification Code: 2-88-888-01

Process Description:

RECOVERY AND RECYCLING OF HALON FROM PORTABLE
EXTINGUISHERS AND FIXED FIRE SUPPRESSION SYSTEMS.

Emission Source/Control: HREC1 - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER
ENCLOSURES)

Emission Source/Control: HREC2 - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER
ENCLOSURES)

Emission Source/Control: HREC3 - Control

Control Type: FABRIC FILTER

Emission Source/Control: HREC4 - Control

Control Type: PROCESS GAS RECOVERY

Emission Source/Control: H1211 - Process

Emission Source/Control: H1301 - Process

Item 43.15(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-INSIG

Process: IN1

Source Classification Code: 3-99-999-94

Process Description:

EIGHT DIFFERENT PERMITTED EMISSION SOURCES WHOSE
COMBINED EMISSIONS ARE INSIGNIFICANT.

Emission Source/Control: 53501 - Process

Emission Source/Control: 53502 - Process

Emission Source/Control: 53503 - Process

Emission Source/Control: 91904 - Process

Emission Source/Control: 92204 - Process

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Emission Source/Control: 92401 - Process

Emission Source/Control: 92402 - Process

Item 43.16(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-LITHO

Process: LP1

Source Classification Code: 4-05-004-15

Process Description:

LITHOGRAPHIC OFFSET PRINTING WITH SPRINT 26 & A.B. DICK PRESSES. THE SPRINT 26 FOUNTAIN SOLUTION IS MADE W/5 GALS H2O & 15 OUNCES EACH OF 2 WETTING AGENTS. A.B. DICK PRESS TANK FILLED WITH 0.25 GALS H2O AND EQUAL PARTS OF 2 WETTING AGENTS (15 MI EACH). VO C CONTENT OF PRESS FOUNTAIN SOLUTIONS IS <10 & WT.

Emission Source/Control: 19709 - Process

Emission Source/Control: 19710 - Process

Item 43.17(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-METAL

Process: SM1

Source Classification Code: 4-01-003-98

Process Description:

SEVERAL METAL PARTS CLEANING OPERATIONS SUBJECT TO PART 226 PROVISIONS FOR COLD CLEANING DEGREASING. SOME OF THE CLEANING SOLUTIONS USED ARE SAFETY KLEEN PREMIUM GOLD, LPS A-151 CLEANER DEGREASER, LPS PRESOLVE CLEANER, ZEPRIDE - E CLEANER AND BUFF-OFF 16000. ALL OF THESE CLEANING SOLUTIONS HAVE VAPOR PRESSURES LESS THAN 33MM HG @ 100 F.

Emission Source/Control: 42306 - Process

Emission Source/Control: 42307 - Process

Emission Source/Control: 42308 - Process

Emission Source/Control: 47302 - Process

Emission Source/Control: 47906 - Process

Emission Source/Control: 47907 - Process

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Emission Source/Control: 49801 - Process

Emission Source/Control: 82001 - Process

Emission Source/Control: 90304 - Process

Emission Source/Control: 92202 - Process

Emission Source/Control: 92203 - Process

Emission Source/Control: 9231A - Process

Emission Source/Control: 9231B - Process

Emission Source/Control: 92404 - Process

Item 43.18(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-MVACS

Process: MV1

Source Classification Code: 3-14-013-AA

Process Description:

SERVICE AND REPAIR OF MOTOR VEHICLE AIR CONDITIONERS CONTAINING R-12. THE ROBINAIR MODEL 117700 REFRIGERANT RECOVERY/RECYCLING DEVICE IS CERTIFIED TO MEET THE STANDARDS SET FORTH IN 40 CFR 82 SUBPART B APPENDIX A. SERVICE TECHNICIANS AT THE AUTOMOTIVE REP AIR SHOP HAVE PASSED CERTIFICATION TRAINING AS PER SECTION 82.40.

Emission Source/Control: MVACA - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: MVAC1 - Process

Item 43.19(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-MVACS

Process: MV2

Source Classification Code: 3-14-013-AA

Process Description:

SERVICE AND REPAIR OF MOTOR VEHICLE AIR CONDITIONERS CONTAINING R-134A. THE SOLAR MODEL 8134 REFRIGERANT RECOVERY/RECYCLING DEVICE IS USED TO RECOVER AND RECYCLE R-134A. SERVICE TECHNICIANS AT THE AUTOMOTIVE REP AIR SHOP HAVE PASSED CERTIFICATION TRAINING AS PER SECTION 82.40.



New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032

Emission Source/Control: MVACB - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: MVAC2 - Process

Item 43.20(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-RFRIG

Process: RC1

Source Classification Code: 3-12-999-99

Process Description:

THIS PROCESS COVERS BNL APPLIANCES NORMALLY CONTAINING LESS THAN 50 LBS OF REFRIGERANT. REFRIGERANT RECOVERY AND RE CYCLING EQUIPMENT USED BY BNL CERTIFIED TECHNICIANS TO SERVICE COVERED EQUIPMENT MEETS THE LEVELS OF EVACUATION ESTABLISHED BY EPA AS NOTED THIS PROCESS COVERS BNL APPLIANCES NORMALLY CONTAINING LESS THAN 50 LBS OF REFRIGERANT. REFRIGERANT RECOVERY AND RE CYCLING EQUIPMENT USED BY BNL CERTIFIED TECHNICIANS TO SERVICE COVERED EQUIPMENT MEETS THE LEVELS OF EVACUATION ESTABLISHED BY EPA AS NOTED IN SECTION 82.158. INCLUDES 24 RECIPROCAL CHILLERS, 192 SPLIT UNITS AND 243 PACKAGE UNITS. IN SECTION 82.158. INCLUDES 24 RECIPROCAL CHILLERS, 192 SPLIT UNITS AND 243 PACKAGE UNITS. THE NUMBER OF UNITS IS SUBJECT TO CHANGE AS BNL ADDS NEW EQUIPMENT OR REPLACES OLD EQUIPMENT.

Emission Source/Control: REF01 - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: COMRE - Process

Emission Source/Control: PKG01 - Process

Emission Source/Control: REC06 - Process

Emission Source/Control: REC08 - Process

Emission Source/Control: REC09 - Process

Emission Source/Control: REC10 - Process

Emission Source/Control: REC14 - Process

Emission Source/Control: REC15 - Process

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Emission Source/Control: REC16 - Process

Emission Source/Control: REC17 - Process

Emission Source/Control: REC18 - Process

Emission Source/Control: REC19 - Process

Emission Source/Control: REC20 - Process

Emission Source/Control: REC23 - Process

Emission Source/Control: REC25 - Process

Emission Source/Control: REC26 - Process

Emission Source/Control: REC27 - Process

Emission Source/Control: REC28 - Process

Emission Source/Control: REC30 - Process

Emission Source/Control: REC31 - Process

Emission Source/Control: REC33 - Process

Emission Source/Control: REC34 - Process

Emission Source/Control: REC35 - Process

Emission Source/Control: REC36 - Process

Emission Source/Control: REC37 - Process

Design Capacity: 7.5 tons

Emission Source/Control: REC38 - Process

Design Capacity: 3 tons

Emission Source/Control: SPL01 - Process

Item 43.21(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-RFRIG

Process: RC2

Source Classification Code: 3-12-999-99

Process Description:

THIS PROCESS COVERS BNL APPLIANCES NORMALLY CONTAINING

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



MORE THAN 50 LBS REFRIGERANT. REF. RECOVERY AND RECYCLING EQUIPMENT USED BY EPA CERTIFIED TECHNICIANS TO SERVICE COVERED EQUIPMENT MEET THE LEVELS OF EVACUATION ESTABLISHED BY EPA AS NOTED IN 40 CFR SECTION 82.158. INCLUDES 14 RECIPROCAL, 21 CENTRIFUGAL AND 4 ROTARY CHILLERS, 1 SPLIT AND 2 PACKAGE UNITS. THE NUMBER OF UNITS IS SUBJECT TO CHANGE AS BNLADDS NEW EQUIPMENT OR REPLACES OLD EQUIPMENT.

Emission Source/Control: REF01 - Control
Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS, HOODING, OTHER ENCLOSURES)

Emission Source/Control: CEN01 - Process

Emission Source/Control: CEN02 - Process

Emission Source/Control: CEN03 - Process

Emission Source/Control: CEN04 - Process

Emission Source/Control: CEN05 - Process

Emission Source/Control: CEN06 - Process

Emission Source/Control: CEN07 - Process

Emission Source/Control: CEN08 - Process

Emission Source/Control: CEN09 - Process

Emission Source/Control: CEN10 - Process

Emission Source/Control: CEN11 - Process

Emission Source/Control: CEN12 - Process

Emission Source/Control: CEN13 - Process

Emission Source/Control: CEN14 - Process

Emission Source/Control: CEN15 - Process

Emission Source/Control: CEN16 - Process

Emission Source/Control: CEN17 - Process

Emission Source/Control: CEN18 - Process



Emission Source/Control: CEN19 - Process

Emission Source/Control: CEN20 - Process

Emission Source/Control: CEN21 - Process

Emission Source/Control: PKG02 - Process

Emission Source/Control: REC01 - Process

Emission Source/Control: REC02 - Process

Emission Source/Control: REC03 - Process

Emission Source/Control: REC04 - Process

Emission Source/Control: REC05 - Process
Design Capacity: 30 tons

Emission Source/Control: REC07 - Process

Emission Source/Control: REC11 - Process

Emission Source/Control: REC12 - Process

Emission Source/Control: REC13 - Process

Emission Source/Control: REC21 - Process

Emission Source/Control: REC22 - Process

Emission Source/Control: REC24 - Process

Emission Source/Control: REC29 - Process

Emission Source/Control: REC32 - Process

Emission Source/Control: ROT01 - Process
Design Capacity: 160 tons

Emission Source/Control: ROT02 - Process
Design Capacity: 160 tons

Emission Source/Control: ROT03 - Process

Emission Source/Control: ROT04 - Process

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



Emission Source/Control: SPL02 - Process

Condition 45: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 212.4

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-49003 Emission Point: 49003
Process: BS1

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Torrit dust collector is inspected and maintained in accordance with the manufacturer's recommendations to ensure that particulate emissions remain below 0.05 grains per dry standard cubic foot. Inspection and maintenance records are kept.

Reference Test Method: NA

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 46: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61005

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032



Stack test is required while burning both residual fuel and natural gas at least once during the permit term limit (five years) and shall be performed in accordance with NYSDEC approved protocols. Reports are due within sixty days of testing.

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 7 or 7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 48: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(b)

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61005

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx emission from this boiler 61005 is limited to 0.3 lb/mmmbtu hr.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 1-7: Compliance Certification

Effective between the dates of 11/19/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 227.2(b)(1)

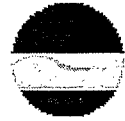
Item 1-7.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61005

Regulated Contaminant(s):

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



CAS No: 0NY075-00-0 PARTICULATES

Item 1-7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission limit cited in this condition,
- 2) perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD
INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

Subsequent reports are due every 6 calendar month(s).

Condition 1-8: Compliance Certification

Effective between the dates of 11/19/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 227.2(b)(1)

Item 1-8.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61006

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-8.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission limit cited in this condition,
- 2) perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

Subsequent reports are due every 6 calendar month(s).

Condition 50: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61006

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emissions of Nitrogen Oxides from this unit is limited to 0.3 lbs/mmBtu.



New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032

Manufacturer Name/Model Number: NA
Upper Permit Limit: 0.3 pounds per million Btus
Reference Test Method: METHOD 19
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 51: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 60.48b(f), NSPS Subpart Db

Item 51.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-61006

Item 51.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
WHEN MINIMUM DATA AVAILABILITY REQUIREMENTS ARE NOT
MET, THE DATA SUBSTITUTION METHOD SPECIFIED IN 6
NYCRR 227-2.6(3)(III) IS USED.

Reference Test Method: NA
Monitoring Frequency: HOURLY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 225-2.8

Item 52.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-61006
Process: SF4

Item 52.2:

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

WASTE OIL GENERATED AT THE FACILITY BE ADDED AS A
FUEL THAT CAN BE BURNED UNDER THE EXISTING PERMIT.
REPORTS OF THE ANALYSIS OF WASTE OIL BURNED AT THE
CSF SHALL BE MAINTAINED.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 53: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 60.49b(e), NSPS Subpart Db

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61006

Process: SF4

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

ASTM METHOD D-5762 WILL BE USED TO DETERMINE FUEL
BOUND NITROGEN CONTENT OF RESIDUAL OIL BURNED EACH
QUARTER IN BOILER 6.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 0.3 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD
INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.



New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032

Subsequent reports are due every 3 calendar month(s).

Condition 54: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61007

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing is required once during the permit term limit (five years) and shall be performed in accordance with NYSDEC approved protocols. Reports are due within sixty days of testing.

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: SEE DISCRIPTION

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 55: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 227-2.6(b)

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61007

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



Monitoring Description:

Quarterly reports shall include: 1. CEMS down time (40 CFR 60.7(b)) and excess emissions (40 CFR 60.7(c)) in a summary report format, as found in 40 CFR 60.7(d), or equivalent. 2. The results of the quarterly monitoring performance audit, reported in the format of 40 CFR 60 Appendix F (or equivalent).

3. Excess emissions shall be identified as any 24-hour daily block period averaged from one-hour arithmetic averages during the period from May 1 to September 15 and 30-day rolling average for the remainder of the year. At least three data points, collected at 15 minute intervals, shall be used to calculate the one-hour arithmetic averages. Each 24-hour daily period shall be determined from 12 A.M. to 12 A.M. the following day. The thirty (30) day rolling average shall be the average of the 24-hour daily arithmetic NOx emission rates for a thirty (30) day period. Excess emissions shall be defined as those which exceed the corresponding emissions limit set forth in this permit.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 56: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61007

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM shall meet the requirements of 40 CFR 60, Appendix B and F, and the NESCAUM Guidance Documents for CEMs, September 1990.

Manufacturer Name/Model Number: XXX

Upper Permit Limit: 0.3 pounds per million Btus

Reference Test Method: SEE DISCCRIPTION

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2003.
Subsequent reports are due every 12 calendar month(s).

Condition 57: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 57.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-61007

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 57.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
VOC emissions from this unit is limited to 0.034 lbs/mmBtu and 5.00
lbs/hr.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: FUEL
Manufacturer Name/Model Number: n/a
Upper Permit Limit: 0.034 pounds per million Btus
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 58: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 58.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-61007

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE

Monitoring Description:

Sulfur content of the fuel oil in this boiler shall not exceed 0.50
% by weight.

Parameter Monitored: SULFUR

Upper Permit Limit: 0.50 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
(INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 59: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61007

Regulated Contaminant(s):

CAS No: 000075-00-0 PARTICULATES

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

PM, PM 10 emissions from this unit is limited to 0.1 lbs/mmBtu and
14.70 lbs/hr.

Work Practice Type: PROCESS MATERIAL THRUPTUT

Process Material: FUEL

Manufacturer Name/Model Number: n/a

Upper Permit Limit: 0.1 pounds per million Btus



New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 60: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61007

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE

Monitoring Description:

CO emissions for this emission unit is limited to 0.08 lbs/mmBtu and
11.80 lbs/hr.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL

Upper Permit Limit: 0.08 pounds per million Btus

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 61: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61007



Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
Oxides of Nitrogen (NOx) emissions are limited to 0.300 lbs/mmBtu and
44.10 lbs/hr.

Manufacturer Name/Model Number: xxx
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.300 pounds per million Btus
Reference Test Method: NA
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 62: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61007

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

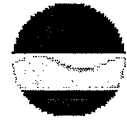
Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE
Monitoring Description:
OPACITY FROM THE BOILER STACK SHALL NOT BE GREATER
THAN 20% (6- MINUTE AVERAGE) EXCEPT FOR ONE 6- MINUTE
PERIOD PER HOUR OF NOT MORE THAN 27% OPACITY.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent

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Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 63: Particulate matter standard.
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 60.43b(b), NSPS Subpart Db

Item 63.1:
This Condition applies to Emission Unit: U-61007

Item 63.2:
Particulate matter emissions oil or oil and other fuels shall not exceed 0.10 lb/mmBtu.

Condition 64: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 60.48b(f), NSPS Subpart Db

Item 64.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-61007

Item 64.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
WHEN MINIMUM DATA AVAILABILITY REQUIREMENTS ARE NOT
MET, THE DATA SUBSTITUTION METHODS SPECIFIED IN 6
NYCRR 227-2.6(b)(3)(III) ARE USED.

Reference Test Method: NA
Monitoring Frequency: HOURLY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 65: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 225-2.8



Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61007
Process: SF7

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

WASTE OIL GENERATED AT THE FACILITY BE ADDED AS A
FUEL THAT CAN BE BURNED UNDER THE EXISTING PERMIT.
REPORTS OF THE ANALYSIS OF WASTE OIL BURNED AT THE
CSF SHALL BE MAINTAINED.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 1-9: Particulate matter standard.

Effective between the dates of 11/19/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 60.43b(b), NSPS Subpart Db

Item 1-9.1:

This Condition applies to Emission Unit: U-61007
Process: SF7

Item 1-9.2:

Particulate matter emissions oil or oil and other fuels shall not exceed 0.10 lb/mmBtu.

Condition 66: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 60.49b(e), NSPS Subpart Db

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61007
Process: SF7

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN



Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

ASTM METHOD D-5762 WILL BE USED TO DETERMINE FUEL
BOUND NITROGEN CONTENT OF RESIDUAL OIL BURNED EACH
QUARTER IN BOILER 7.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 0.3 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD
INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 67: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-61007 Emission Point: 61007

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of a combustion installation shall emit greater
than 20 percent opacity except for one six minute period per hour, not
to exceed 27 percent, based upon the six minute average in reference
test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 1-4722-00032/00115

Facility DEC ID: 1472200032



Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 68: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 230.2(k)

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-FUELS

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE

Monitoring Description:

Owners and/or operators of stage II systems must perform dynamic pressure tests at 5 year intervals after commencing operations. The back pressure during the dynamic back pressure tests must not exceed 0.45 inches of water column gauge at a flow rate of 60 cubic feet per hour.

Parameter Monitored: PRESSURE

Upper Permit Limit: 0.45 inches of water

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE
MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 69: Compliance Certification
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 230.2(k)

Item 69.1:

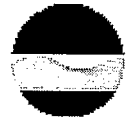
The Compliance Certification activity will be performed for:

Emission Unit: U-FUELS

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE



Monitoring Description:

Owners and/or operators of stage II systems must perform dynamic pressure tests at 5 year intervals after commencing operations. The back pressure during the dynamic back pressure tests must not exceed 0.95 inches of water column gauge at a flow rate of 100 cubic feet per hour.

Parameter Monitored: PRESSURE

Upper Permit Limit: 0.95 inches of water

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 70: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 230.2(k)

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-FUELS

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and/or operators of stage II systems must perform leak tests at 5 year intervals after commencing operations. The pressure in gasoline storage tanks must not fall below the values in Table 1 of Part 230.2(k)(2)(iii) after 5 minutes from an initial pressure of 10.0 inches of water column during a leak test.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 71: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 230.2(k)

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-FUELS



Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE

Monitoring Description:

Owners and/or operators of stage II systems must perform liquid blockage tests at 5 year intervals after commencing operations. The back pressure during the liquid blockage tests must not exceed 0.03 inches of water column gauge above the dynamic back pressure test results for the system for flow rates of 60 and 100 cubic feet per hour.

Parameter Monitored: PRESSURE

Upper Permit Limit: 0.03 inches of water

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE
MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 72: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 40CFR 82.270(c), Subpart H

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-HALON

Process: HR1

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

RECORDS ARE MAINTAINED BY THE FIRE & RESCUE GROUP TO DOCUMENT THE TRAINING GIVEN BY THE VENDOR ON THE PROPER USE OF THE HALON RECOVERY AND RECYCLING EQUIPMENT PURCHASED.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 73: offset lithographic control requirements

Effective between the dates of 01/07/2002 and 01/06/2007



Applicable Federal Requirement: 6NYCRR 234.3(b)(2)

Item 73.1:

This Condition applies to Emission Unit: U-LITHO
Process: LP1

Item 73.2:

The fountain solution must contain 10 percent by weight or less of volatile organic compounds for sources in operation on or after September 1, 1988.

Condition 74: Compliance Certification

Effective between the dates of 01/07/2002 and 01/06/2007

Applicable Federal Requirement: 6NYCRR 234.3(b)(2)

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-LITHO
Process: LP1

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MATERIAL SAFETY DATA SHEETS FOR THE TWO WETTING AGENTS USED IN THE FOUNTAIN SOLUTION ARE MAINTAINED. RECORDS OF THE MIX RATIOS OF THE WETTING AGENTS WITH WATER ARE ALSO MAINTAINED AND WILL BE MADE AVAILABLE TO NYSDEC UPON REQUEST.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



STATE ONLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable and are not subject to annual compliance certification requirements for Title V permits.

Condition 1-10: Contaminant List

Effective between the dates of 11/19/2002 and 01/06/2007

Applicable State Requirement: ECL 19-301.

Item 1-10.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

New York State Department of Environmental Conservation
Permit ID: 1-4722-00032/00115 Facility DEC ID: 1472200032



Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

Condition 1-11: Unavoidable noncompliance and violations
Effective between the dates of 11/19/2002 and 01/06/2007

Applicable State Requirement: 6NYCRR 201-1.4

Item 1-11.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.



(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 78: Air pollution prohibited
Effective between the dates of 01/07/2002 and 01/06/2007

Applicable State Requirement: 6NYCRR 211.2

Item 78.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.